

What is claimed is:

1. A communication control program which is executed by a computer and makes said computer perform a process  
5 for performing communication by use of a plurality of network interfaces, said process comprises the steps of:

(a) detecting at least one of said plurality of network interfaces which is currently available for communication;

10 (b) determining a network interface having a highest priority among said at least one of the plurality of network interfaces by referring to an interface information table in which numerical values related to a predetermined attribute of the plurality of network  
15 interfaces are set, and recognizing at least one priority of said at least one of the plurality of network interfaces based on the numerical values; and

(c) performing data communication through said network interface determined in step (b).

20 2. The communication control program according to claim 1, wherein said numerical values represent bandwidths of the plurality of network interfaces.

25 3. The communication control program according to claim 1, wherein said process further comprises the steps of,

(d) measuring an effective transfer rate through one of said plurality of network interfaces when data communication is performed through the one of the plurality of network interfaces, and

5 (e) updating one of said priorities of the one of the plurality of network interfaces based on the measured effective transfer rate.

4. The communication control program according to  
10 claim 1, wherein said process further comprises the steps of,

(d) measuring an effective transfer rate through one of said plurality of network interfaces when data communication is performed with a terminal through  
15 the one of the plurality of network interfaces, and

(e) transmitting the measured effective transfer rate to said terminal.

5. The communication control program according to  
20 claim 1, wherein location information items indicating locations from which content is delivered at different quality levels, respectively, and said process further comprises the steps of,

(d) acquiring one of the location information items corresponding to a bandwidth of said network interface determined in step (b), during data communication, and

(e) acquiring said content by designating one of the locations by the acquired one of the location information items.

5        6. A content delivery program which is executed by a computer and makes said computer perform a process for delivering content to a terminal in response to a request by the terminal for acquisition of the content, said process comprises the steps of:

10        (a) preparing and storing quality-management information indicating correspondences between bandwidths and quality levels of said content;

15        (b) determining a quality level of said content to be delivered to said terminal by referring to said quality-management information when bandwidth data indicating a bandwidth of a network to which the terminal is connected is received;

              (c) generating said content at said quality level determined in step (b); and

20        (d) transmitting said content generated in step (c) to said terminal.

7. The communication control program according to claim 6, wherein said content is data representing a moving image, and is generated at said quality level by removing a portion of frames constituting the data, according to the quality level determined in step (b).

8. The communication control program according to  
claim 6, wherein said content is data representing sound,  
and is generated at said quality level by changing a  
5 sampling rate of the data according to the quality level  
determined in step (b).

9. The communication control program according to  
claim 8, wherein said sound is collected by a microphone.

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10. The communication control program according to  
claim 6, wherein said content is data representing sound,  
and is converted into character data according to the  
quality level determined in step (b).

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11. The communication control program according to  
claim 6, wherein said content is data representing a map,  
and is generated at said quality level by changing an  
amount of objects to be included in the data, according to  
20 the quality level determined in step (b).

12. The communication control program according to  
claim 11, wherein a plurality of priorities are assigned  
to a plurality of types of objects in advance, and at  
25 least one priority of the objects to be included in the  
data according to the quality level determined in step (b)  
is preset in said quality-management information.

13. A terminal for performing communication through a plurality of network interfaces, comprising:

5        said plurality of network interfaces which can be connected to a plurality of networks;

          an available-interface detection unit which detects at least one of said plurality of network interfaces which is currently available for communication;

10      a network-interface selection unit which determines a network interface having a highest priority among said at least one of the plurality of network interfaces by referring to an interface information table in which numerical values related to a predetermined attribute of the plurality of network interfaces are set, 15 and recognizing at least one priority of said at least one of the plurality of network interfaces based on the numerical values; and

20      a data communication unit which performs data communication through said network interface determined by said network-interface selection unit.

14. A content server for delivering content to a terminal in response to a request by the terminal for acquisition of the content, comprising:

25      a quality determination unit which stores in advance quality-management information indicating correspondences between bandwidths and quality levels of

said content, and determines a quality level of said content to be delivered to said terminal by referring to said quality-management information when bandwidth data indicating a bandwidth of a network to which the terminal  
5 is connected is received;

a content generation unit which generates said content at said quality level determined by said quality determination unit; and

10 a content transmission unit which transmits to said terminal said content generated by said content generation unit.

15. A communication control method for performing communication in a terminal having a plurality of network  
15 interfaces, comprising the steps of:

(a) detecting at least one of said plurality of network interfaces which is currently available for communication;

20 (b) determining a network interface having a highest priority among said at least one of the plurality of network interfaces by referring to an interface information table in which numerical values related to a predetermined attribute of the plurality of network interfaces are set, and recognizing at least one priority  
25 of said at least one of the plurality of network interfaces based on the numerical values; and

(c) performing data communication through said

network interface determined in step (b) .

16. A content delivery method for delivering content to a terminal in response to a request by the terminal for  
5 acquisition of the content, comprising the steps of:

(a) preparing and storing quality-management information indicating correspondences between bandwidths and quality levels of said content;

10 (b) determining a quality level of said content to be delivered to said terminal by referring to said quality-management information when bandwidth data indicating a bandwidth of a network to which the terminal is connected is received;

15 (c) generating said content at said quality level determined in step (b) ; and

(d) transmitting said content generated in step (c) to said terminal.